Occupancy Workshop at ARMI EOY Meeting Draft Program

Day 1

Day 1	
8:30am	Background
	 why, what and how to monitor
	 populations and scope of inference
	 strength of inference
	experiments
	quasi-experiments
	observational studies
	 pattern vs process
	 occupancy applications
	 statistical methods
	 likelihood-based approaches
	model fit
	 multi-model inference
10:30am	BREAK
11:00am	Single-season model
	basic model
	missing observations
	model assumptions
	covariates
	 dealing with heterogeneity
12:30pm	LUNCH
1:30pm	Worked single-season examples and computer exercises
3:00pm	BREAK
3:30pm	Single-season study design
	site selection
	 how to determine allocation of effort
	design comparisons
	timing of surveys
	 miscellaneous issues

Day	2

Day 2	
8:30am	Multiple-season model
	basic model
	missing observations
	covariates
	 types of changes in occupancy
	Worked multiple-season examples and computer exercises
10:30am	BREAK
11:00am	Multiple-season study design
	 relationship with single-season designs
	 long-term desing
	 effect of adding sites to study over time
12:30pm	LUNCH
1:30pm	Other extensions and applications
	 species co-occurrence
	 species richness or biodiversity
3:00pm	BREAK
3:30pm	Consulting session
_	 analyze own data
	 ask specific questions of the instructors
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